Greenland

1897

Book I

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U. S. National Museum
Washington, D. C.
U. S. A.

Greenland trip 1897.

July 12 — August 26, 1897
Use this for reminder

July 12-1897. Sunday

Two P.M., trunk checked and I am ready to depart from Washington for Boston. At 4.20 I take the Penn. R.R. train with a sleeper through without change to Boston. Fare $12.25 and sleeper $3.00.

While my strength is not that of Sandow nor my courage that of Sheridan, nor my knowledge that of Farragut yet I will undertake the trip to Scotland trusting to the knowledge of others and my general good luck of the past. My friends all wish me good luck and a safe return.

Mrs. Burke and I have a pleasant journey to New York and at 10.30 P.M. we leave the car and view New York city by night around the Battery and up the East river on the steamer which carries our train to Harlem. There is nothing more impressive than this ride around the city to show the great activities of man. At 11.30 we turn in

July 13-1897 Dis 1. Tuesday

We arrive in Boston at 7 A.M. Heaven yet smiles on the Roamer & our good ship is now the days of preparation for our departure to Greenland. The proverbial "Yankee thrift" we did want to give the Boston Navy Yard the use of our whole boat, we want it now, to be in splendid condition. We left it in a yacht of 28 feet length of keel, it is a fine narrow and oriented kind, good for sailing and rowing but sadly flat following among. He gave us the required finish, however it may prove to do better than we expect. Dr. Grinnell the gift of [illegible] the Secretary of the Navy. [illegible] Grinnell [illegible] Made some suggestions in addition, and promised to call at 1 P.M. Thursday.

Spent the balance of the day making personal [illegible] in the way of [illegible] clothing and arrangements for our departure. Stopped at the Parker House over night. Navy has not yet arrived.

July 14-1897. Boston Wednesday

Looked after our food and practically have placed our order. Then purchased the necessary culinary outfit. Also a lamp, thermometer, and pick. Then looked around for a small boat or Dory.

It is now almost certain that we shall not sail before Saturday.

Mr. White spent last night at Winchester and to night he goes to Rochester, the home town of his wife.

July 15-1897 Boston Thursday

We have now secured and put that we will need for the Greenland trip. A second small boat we have located at Richardson but will leave it to Sam to do the final selecting.

Spent two hours in the afternoon in the Boston Public Library

Pearry and others are arriving to day.

July 16-97 Boston Friday

Lieut Peary called on me in the morning and said the Hope had arrived during last night. He also said the Whitehouse party had flunked and that a Mr Stickney very much desired to join our party. He would share all the responsibility and danger of our party and would pay fifty dollars to cover expenses while in Labrador. After talking the matter over with Mr. White we concluded to allow him to join. Later we met his partner and they much desired our taking him which we agreed to do. In the evening Lieut Peary brought up a paper in which he relinquishes the Smithsonian Institution from any and all responsibility as to danger. This paper is signed by Mr Stickney and his partner and the former in a written,

Purchased a skiff of Mr Rice of Lynn for $24.00. When we returned I sold it and he would refund about two-thirds of the original value.

Called at the Charlestown Navy yard with two men and after some work got the 32-whale boat into the water. Gave a receipt for the boat and fittings of which I have a duplicate copy. Later saw the boat suspended from the davits of the Hope.

Mr. White and I then enjoyed a good and last American dinner for the next three months at the Boston Tavern off Washington street.

Spent an hour and a half in the evening with the Hales and Fiennes Fletchers.

The steamer Hope impresses me very well as a vessel that should stand adjust any sort of ice work. She is a whaler and cannot of course work a tryn as an ocean liner. Undoubtedly she will roll and pitch greatly when out to sea. Our berths are in the front part of the boat. Thousands of people visited her today and among them I saw Capt Collins.

Boston, Saturday.

By ten A.M. we had all of our affairs aboard the Hope, i.e. we had it on the quay. The amount of cargo taken on board of the Hope is something extraordinary. We have put in six or more boats of the various sorts and a large amount of new timber, boards and steel rails to stiffen the motorsailer from the keel to the ship. Pierre intends to build the cabin but I rapidly explain he can do it easily & soon even in a small room in the vessel that it will be right before he can get it aboard. Then comes the sticking process which will take many hours.

It was reported that all should be aboard the Hope by nine P.M. since it would certainly sail at some hour during the night. Therefore M. Klick and I gave up our rooms after dinner and strolled down to the steamer. To me it was certain that all of the freight running in the road could not be put on board by midnight and that therefore we would not

sail probably before Monday. We remained around the boat until 11.30 P.M. when Capt. Bartlett gave it out that he would not sail before early Monday morning. Mr. Leslie and I then returned to the Elmer House where we met the Strickneys waiting. Lieut Peary came in and informed us that we should be ready early Monday morning. But a little calculation on the part of Capt. Bartlett & Lieut Peary this delay could have been prevented. We have lost 36 valuable hours and ten dollars in expenses. This is Newfoundland sailors.

July 18-1897 Boston. Sunday.

At 10.30 A.M. Mr Leslie and I took the steamer for Nantasket where we enjoyed the cool sea breeze and the ocean. We also had a good shore dinner. Returned to Boston by 6.40 P.M.

We hope to [illegible] that of any port I have seen. This [illegible] generally treeless Newfoundland and which

are low and of glacial drift. Then sea faces are usually steep but otherwise they are low and gently undulating. The part south of the Boston and occupied by fortifications. It is not until one reaches Nantucket that the crystalline rocks make their appearance. But here as elsewhere the topography is gentle and the sand moraines are low.

I take it that Nantucket is the Coney Island of Boston. However it is far more refined than that resort. One can buy all the legion me wants at Nantucket. In fact Lindley here is a dealer of all sorts of argument!

Dr. R. H. Lindley left his card before nine A.M.

Capt. Pearce now says that we can get away by nine o'clock tomorrow morning.

[illegible]-97. At Sea. Monday.

Rose at 6.30 A.M. and after breakfast on board a few [illegible] morning [illegible]. Hope By 8.30 found [illegible] land with [illegible]. By 9.20 are now under way being cheered

by the people ashore and many a shout of
"good luck"; three cheers for Peary, for Mrs
Peary and then the tug. As we go down
to sea all the tugs blow their
whistles and those that are close enough greet
us with good cheer. The Peary family and Commander Peary wave to
Oporto crowds and Italian flag. The are relieving old repairs.
from ship and departure Lieut. Perry
has a talk with one Negro that are of the
crew as in his pay and that if all is not
well down to come to him. Because of the
presence of cadets aboard no one with the
allowed in the after cabin. Regarding one
Matthew Henson, he will be placed in my
service when we are at Oporto and that
his pay will be paid by us while ashore.
In other words while Peary, Samuel and
Eskimos and the increased pay Donald goes
to Boston direct.

As we get out into the open sea the
fog bank are met and there is constant blowing
of sirens and our boat whistle.

At 11.45 we pass the light ship "Boston
(No 54" As we approach her she rings three
bells, whistles, and again responds three bells.

The fog lifted by two o'clock and we saw several Mother Carey chickens. This bird much resembles the large swallow but have a white tail. The scenery is beautiful with many sails in sight.

Late in the afternoon saw several large splashes some distance from the vessel, supposed to be sharks. At 3.30 passed Pilot boat number 8. Gave salute.

There is a very pleasant sunset. The wind is very slight but still there is some pitching of the vessel.

The majority of the Porter party does nothing but play horse with Stein.

Retired by nine o'clock with an unusual lulling of sea sickness. Provided myself with a cup & attached to the bed. Write record at 11 P.M. a little giddy when in motion experienced.

There was a little of this experience in the morning.

Wed 20-1897. Tuesday At Sea.

Arose at 7.30 after a good night's sleep with the sea sickness fully almost gone. Enjoyed the breakfast.

Capt Bartlett says we have gone 280 miles by 8 o'clock this morning.

Every now and then one sees a short distance

from the vessel short, black, somewhat triangular shaped fins sticking vertical out of the sea. Every now and then a second similiar object is in the same line back of the first one, these two objects keep up with the vessel for some time. Dan told they are the fin and tail of a shark.

At dusk the one attention is called to a small whale breaking the water not more than four or five times. Soon another came up several times spouting immediately above view. The front of the head came first, appeared, then grew under revealing a shiny curve of the centre portion with its large back fin, following as well by the appearance of the tail. Dan told by Mr. Jensen that these are Finbacked Whales.

Some of the passengers are shooting at sword fish (sharks).

Mother Carey's chickens are seen in various places. Usually there are three or four.

At 10 P.M. a school of sword fishes leisurely swimming along. Some of the Porto party shot at them but no one succeeded in catching the fish.

Towards 4 P.M. we entered a thick mist, fog and

at nine when I retired we were still in it.

At 8 P.M. the evening local paper the "Hopes Explorer" was issued. Lots of fun in it. Whole returns at 10.45. Others are playing cards.

July 31 - 97 Wednesday. At Sea.

Arose at seven. Cool wind and foggy with a quiet sea. Some of the passengers are on deck wrapped in their rugs and shawls.

At noon the Captain tells me we have made since we left the Boston light ship 426 miles. From 8 A.M. yesterday to noon we made 37 miles and since we left the light-ship 217 miles. At one P.M. we are supposed to be off the coast of Nova Scotia 30 miles but the weather is so foggy that no bearing can be taken. We may be off course considerably.

At 4.10 P.M. passed a vessel on the left side of the vessel and on running over I saw Johnny Fitzgerald sitting on the chair [illegible] Standing behind him was one of the ship's boys with his head hidden from the chair and his hands falling over the eyes. The other chairs and couches were fast otherwise there certainly would have

been trouble for the young man.

The night closes in around us with a dense fog so that one cannot see a ships length ahead and yet the stars can be seen above.

Thursday.

July 22 – 1897 Off Nova Scotia.

Arose at 5 A.M. Then a splendid clear day before us and town left then in a splendid view of Scatari Island with its two light houses. A number of houses are seen on the north-eastern end very much scattered. Along the south-eastern shore of this island the rocks are well shown. Near the centre there is a marked unconformity north of which the rocks dip distinctly 15° S. Some of the beds are a clayey sandstone or limestone. Shale north of the latter. The northern light-house rests on glacial sands.

At 8.30 we passed Cow Bay Head showing about 30 feet of thick remarkably even beds. The dips often various and almost vertical near the centre. Mr White took a picture of it. They head in just a little to the north of Flint Island. The beds are a light red a pink color.

[illegible] 20 [illegible]
Bass Bay. In the last hour [illegible]
[illegible] - the other a [illegible]
large [illegible] [illegible] near the [illegible]
[illegible] of a [illegible] valley [illegible]
[illegible] and south towards it.

At 12.30 P.M. we arrive at the coliery where we are to take our coal for the entire trip. Kelly's Cove Cape Breton. The ship anchors within thirty feet of the shore. Soon after our arrival the [illegible] out of the largest type to make room for the coal. At three P.M. Mr. Dick and I go ashore to examine the coal mine.

Where the ship anchors there is a mountain of granite at least 1000 feet high. At a short [illegible] level against the granite rock a very much altered dolomite followed by a sandstone and slate with coal. These strata have a gentle dip away from the granite mountain but towards it they become more and more tilted, until near the granite they are vertical. A good [illegible] of the dolomite in that it has been partially metamorphosed when it [illegible] the granite having a deep and massive [illegible].

I collected a piece of the granite, dolomite

and from piece of shale with fossil ferns.

The flora about here while it has some of the flowering plants seen about Deadmans Inlet gives one an wholly different. The trees are all small hardly any exceeding 25 feet high. Spars is very abundant and moss by far more than at home. Flowers are on all sides and of a most quite a variety. Became across a bog and found two species of orchids and a third species along a fence and around stumps. The conifers are the most conspicuous plants. Some small spruces are very pretty and abundant.

[illegible] caught in a shower and drenched to the skin. Got back to boat at night fall.

July 23-1897. Friday. Kellys Cove, Cape Breton, Nova Scotia.

Arose in the morning to find that our whole boat had been taken from the derricks and placed in the water. The drainage plug had been taken out of our boat over night by spiteful urchins who we found it. The greater portion of the morning was spent by us in getting the boat ashore and baling her out.

down next to the skin in the rain for two hours. My first bath on the trip.

In the afternoon Mr. White and I studied the geology about Kelly's Cove but spent most of the time collecting recent plants. Swamps are numerous in the region beginning at sea level and continuing into the higher land. In these places a variety of plants can be found, among them two pretty orchids. Cuthbertia orchid, mud, [illegible] in Rattlesnake plantain is found in other places while a fourth kind I found in shady places beside a brook. The variety of plants collected this afternoon must be near [illegible] seven.

In one place on Cuthbertia Island to ocean what Mr. White considers a typical [illegible] one, impressed abundant, the ground pine of small hillocky [illegible] of which are covered by heath, the Kalmia, one of the Rhododendrons.

The entire flora [illegible] a northern region in the abundance of mosses and ferns, dwarfed conifers and in the absence of all large trees. Some of the conifers may be 18 to 24 inches in diameter at the ground

majority do not exceed 12 inches but all of the trees are low. There are more bushes here than in the Darlington region.

I never saw so many ferns as here. Once finish them everywhere in the open as well as in the secluded places.

The geology here at York is interesting in that there is a great fault with the granite on one side and various formations butting against it with high inclined dips on the other. All along this fault which is not always a straight line there is a more or less deep valley between the granite and the palaeozoic rocks. Generally there are no streams in the valley but there may be ponds and marshes. The great majority of the water runs away by subterranean passages. This irregular valley has the fault in its bottom since the granite rocks rise on one side to meet the limestone, conglomerate or coal formations dipping from the other side.

Pressed plants until ten P.M. and then worked three quarters.

It showered during the day.

July 4 Saturday. At Sea

[illegible] Purchased a [illegible] in the morning and by 11.30 A.M. the Ship [illegible] Kelly Cove in the [illegible] [illegible] and the breeze [illegible] the [illegible]. We [illegible] Cape North, this and many [illegible] Majesty, the [illegible] [illegible] At this [illegible] all [illegible] [illegible] the pilot [illegible].

We are forced to [illegible] us and the grind stones. [illegible] and ships seas on the deck. [illegible] gently [illegible] and [illegible] to Sidal. Otherwise the same.

In the sea about Kelly Cove are [illegible] Aurelia or medusae and [illegible] sea-weeds. Temperature 72° F.

White tells he had water in his trunk and had [illegible] and [illegible]. Or much water in floor of forecastle that Dolan had time [illegible] let the water through.

July 25 Sunday. At Sea.

The ship pitched & rolled badly last night that I am sea sick this morning. Did not rise until 3 P.M. when we were opposite Red Island off the Newfoundland Coast near St. Georges. Remained on deck for rail an hour and then retired for the night. Passed the three weeks day.

Later I learn that more than half of the passengers are sick and unable to eat. Quite disorderly & uncomfortable.

Little progress is being made due to the wind which is dead on.

July 26. Monday. Off Nf.

Being in bed [illegible] and the stomach [illegible] had a [illegible] night. Heard the roaring of the water and the [illegible] of the [illegible] against the head of the ship all night. At 6.30 A.M could stand it no more arose and went on deck. At 8 ate a little breakfast. The day start in fair.

Became more [illegible] to the Nf. Coast. At 7 A.M opposite Conne Bay. The land is

rugged and in places about 2000 feet high.
In places are small patches of ice.
The colors of the hills are generally soft.
wooded with conifers. There are lighter patches
of grass. We are steaming along within
3 or 4 miles of the coast.

(Parsons Pond)

[illegible] is a small [illegible] in a deep [illegible]
[illegible] is a [illegible] more than [illegible]
[illegible] United States. It was used in the
planed trade. Here [illegible]. This was [illegible] in a pipe line across the bay.
And no railroad yet runs into Bay St. Geo.
[illegible] are seen [illegible]
on board. We [illegible] "grand" [illegible]
pretty [illegible] scene.

At 4.55 we passed [illegible] Rey on Point Riche
a little farther north, about nine [illegible] Is this Port au Choix?
is a French fishing village. [illegible]
are of canvas since [illegible] also
the flood tide [illegible]
[illegible] to harvest the rich fish [illegible]
these waters. [illegible]
them fish. In the [illegible] were four large
square rigged sailing vessels [illegible]
passing the west mouth [illegible]

in the ice which had not long been in the water. Still further north we critically [illegible] on getting clear found here a [illegible] cruiser, an English steam trawler (the Buzzard) [illegible] the steam Kinnaird, and a trawler steamer which had recently [illegible] there. There still were steamers in the ice, and appeared to be [illegible] coals and [illegible]. [illegible] we critically [illegible] clear of the ice. [illegible] came from her.

About 7 P.M. the first ice bergs were sighted [illegible] Strait of Belle Isle. The [illegible] came [illegible] a very red sun, making a bright [illegible] sphere at 7.30, according to the ship's time, just a little [illegible] Captain Bartlett announced the Labrador coast in sight.

The day was a splendid one and the night appeared to turn out [illegible]. The wind is very slight. The temperature is 43° F. at sea level.

Sun 27 W. die dor.

(((((((the Cliff of the coast because there
was no sea on. Those were all ice. From
6 o'clock to 10 and to 11 I was
under the [illegible] there are numerous
[illegible] Lat. 81° 30' N.
we are [illegible] Land here.
Lobster is [illegible]
Ice land is [illegible] and
low and [illegible] one can [illegible] a
[illegible] Snowbirds [illegible]
The temperature at 10 A.M. is 41° in the
shade. In the sun one does [illegible]
[illegible] on.
At 8.30 we can [illegible]
[illegible] land. It is quite a large land mass
and may be 4 or 5000 feet high.
At 10.15 we saw a [illegible] ice berg. Capt.
Bartlett took the usual close [illegible]
[illegible] Tipped
bergs and floes, [illegible] We are
[illegible] and [illegible] white
gulls and [illegible] aboard the ship

specimens of the fallen or fallen cloth.

At 10.58 we arrive at the village of Castle Harbour. It is situated on Castle Island and lies in a through down to the east and west. There is a church, hospital and school [illegible] village is where the Miranda party is replenished. This is an ideal region for a petrographer. The granite is full of dark [illegible] intrusions of lava.

[illegible] region [illegible] described in detail by [illegible] the Bull. American Geographical Society, vol xx no 4, 1888.

[illegible] in the bay we are [illegible] and the coast [illegible]

Many [illegible] are [illegible] the region [illegible] the region are low and [illegible] type of [illegible] and the crest [illegible] mountains. Of course, the map does [illegible] shows only a few [illegible] than 15 miles from the sea.

[illegible] number of [illegible] increases the [illegible]

July 28 Wednesday Left Valparaiso

Close and clear on deck at 7.30 when we were crossing Hamilton Inlet. The sun is covered with the cloud over the land. It is raw and cold. "Cape Pears" thinks the cold sun is due to the proximity of [illegible]

At 10.30 A.M. we are at the Desolation Island at the mouth of Hamilton Inlet. The islands are covered by the [illegible] are [illegible] and rugged. They do not appear [illegible] covered with bush like land [illegible] and [illegible] are more [illegible] [illegible] simple in the sun and [illegible] like one seen.

[illegible] a small whale [illegible]

[illegible] in a fog on the land [illegible] and [illegible] with white [illegible] Islands. Cape Pears with [illegible] is a scattered [illegible]

At 12 P.M. we see the [illegible] Bird Islands [illegible] Mistaken.

[illegible] vessel there [illegible] ice bergs and [illegible] there were [illegible] a number of [illegible] and [illegible] in the morning [illegible] Mirage [illegible] we also [illegible] water [illegible]

are smoky in color. We are passing many
fishing schooners going north for cod.
Captain Bartlett tells me that mirages
are frequent after hot misty days.
This afternoon at 2 there is excellent atmospheric
effect ahead of the vessel. We can pass into
luminous mirage, due to reflections from
ice, and then into
a grey haze terminating gradually in thin fleecy
clouds which are strung out in a giddy manner
parallel to the line of the horizon.
We enjoy a view of the land on a clear
day from a distance of [illegible] miles. The
[illegible] is the only heavy timber
[illegible] it is [illegible] the
[illegible] of schooners.
[illegible] we pass [illegible] Island
[illegible] coast.
At 2 P.M. we enter our first
ice. This however not abundant nor thick.
At 6 P.M. we are nearly opposite Cape
Harrison, Labrador proper. The land
ranges of high apparently mountainous
[illegible] many miles from the
[illegible] We close with the
[illegible] and
[illegible]

In the afternoon the wind let down and the temperature rose quite pleasant. The sea was smooth and oily. The usual antics of the afternoon over the mirage effect were in evidence. Towards the evening we began to run up into a mild and pleasant easterly wind.

At 9.30 P.M. it is raining a little.
Temperature at night 43° F.

July 29. Tuesday. Off Labrador.

About three o'clock this morning we raised land in St. Lawrence to suit the latter and we have some fresh fish. It was a beautiful day and a real treat, the sun shining for the first time in two weeks.

The lowest temperature last night was 43°. This morning the atmosphere is somewhat foggy and the Labrador coast indistinct. Later we enter a fog bank. At 2.30 P.M. we get out of it. Now it is a warm and pleasant afternoon. A few days ice appear in view. The day has been a most interesting one due to the

fact that the coast of Labrador cannot be seen.

The sun went below the horizon about 8 o'clock. The skies were much clouded otherwise there would have been a fine sunset. The sun once broke through and then all the clouds were colored a deep fiery red. The twilight lasted at least until 9.30 when all ordinary could be plainly seen. There was still a glow in the north at 11 P.M. or thereabouts. Thermometer at night set down to 40.5° F.

July 30. Friday. Off Labrador

Weather fine & warm. Sea calm from 4 A.M. until 5.30 A.M. The temperature fell to 40.5° during the night. Labrador is ready visible at 8 A.M. A few ice bergs are floating around.

At 11.30 we enter a fog bank. Temp. 46° at noon.

At noon are are at least 50 miles from shore and about 260 miles from Cape Chidley where the Porter party was ashore.

The fog continues into the night.

Sam very tired of the ship and of many of the Porter party. They are a lot of jabbers.

Ice in the Hudson Straits is not the least after appearance.

Fine aurora borealis at night.

July 31 Saturday Off Labrador.

Another splendid morning. At 7.30 G.M.T. the sun is out in all its glory, there is no wind and no ice in sight. Every body is in good spirits particularly since we may during the night arrive at Cape Spear.

The thermometer has risen to 51°

At 10.0 we can [illegible] for sure. Have now a light square sail with the sun somewhat [illegible]. Ship away from us about 6 to 7 miles and in many [illegible].

At 12.15 we enter a fog bank.

At 12.40 we pass a large buoy in the fog. [illegible] by White.

After 1.0 we have no more fog.

At 6 P.M. we are off Resolution Island about 20 miles out to sea.

The evening is a beautiful one and the [illegible] in fancy [illegible] steam. We have now been raffled at 30 ℔ per man, [illegible] paid. Steam pressure 90 ℔ per ☐. [illegible] processions.

Now now 10.00 P.M. and can [illegible]

on deck by the aid of twilight. Cape Island is plainly visible, both of which there in the rosy glow of the departed sun. Our progress is slow due to a strong south-westerly current. The sea appears like a running stream.

Capt Bartlett thinks because we have seen so little ice we will get that the great pack will be very great south-north. He therefore advises Mr. Stein to go slowly over his proposed trip to the Devils Islands. It certainly is favorable how free the sea is of ice. Even large ice fields and floes between. It is well that we did not have them as pass at a time.

Sunday

August 7-9. Cape Haven, Baffin Land.

The steamer dropped anchor in the bay opposite the American whaling station in charge of Mr. Capt Comer and the land back of the station rises to 580 (aneroid) at 11.10 A.M. The harbor is a very narrow one.

After breakfast Mr. White and I started out in our dog trappings. We collected plants on the hills back of the whaling station. Our surprise is great. We are transported to a new land, one just like

forward for the erection of an inch and set
sentinels, rods and insects around here and
not my deck. Impression on the land, we left.
The hills some distance away have a rank and
calm of vegetation upon instruction no
is seen for the night, some 8 inches and usually there
are passes. Where - with are [illegible] moss
and lichens predominate and among these rare [illegible]
with occur. The prairie sandy and [illegible]
of sand are found in low and very [illegible]
Poplars appear to exist only in [illegible]
usually in northern exposure. Willows are very
low in stature and at present are quite [illegible]
are easily recognized by the tufts [illegible]
seed. Low ferns have already [illegible]
stage. [illegible] the mosses with
a spiral, grow like moss in small circular
shaped clusters.

[illegible] are all [illegible]
The topography is very varied [illegible]
when the country shows its [illegible]
are plains [illegible] and [illegible]
are usually [illegible] Marginal [illegible]
Between in low [illegible] and [illegible] little

there is a jungle in the swampy low places.

Where the rocks are covered by vegetation the sensation of walking on a pleasant one, as if on a deep velvet carpet. The general coloration of the vegetation is green, abundantly spotted with white lichens. Numerous flies, bees, mosquitos and butterflies.

Our list of plants for the day numbers about 90 species. Found 3 trachytes, 2 ferns, pines and polypores.

About five P.M. a whole train of porters with a native man, four women, four children, one dog and four goats. Besides their this train had three tupeiks and the necessary contents for three tents. The natives immediately began to erect their tents the women alone mostly the work. The men are mainly armed of seal skins. By 6.30 three tupeiks were erected.

I know of no day that gave me more enjoyment and genuine pleasure than this one. When one is suddenly forced to a new world as an adult the pleasure can be appreciated and compared with past experiences.

Members of the Porter party were quite amused, some every one, others then while some brought in church.

Brilliant evening. Bright at 10:30 P.M.

[illegible] day [illegible]

Started to collect [illegible] and insects for the day with [illegible]. For the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] collected, [illegible] and jointed.

Of insects we collected 2 large [illegible], about ten spiders, 2 moths and 4 or 5 butterflies. The [illegible] black spider carried [illegible] [illegible] [illegible] mottled [illegible] [illegible] latter [illegible] [illegible] covered with a [illegible] [illegible] [illegible] and [illegible]

[illegible] which we [illegible] on north-side [illegible] 92 [illegible] animal. The [illegible]

[illegible] plant. [illegible] in [illegible] and [illegible] a few [illegible] [illegible] insect [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] we [illegible] attach [illegible] the [illegible].

[illegible]

August 3-97 Tuesday. Before Land.

Arose early and examined the fruits in the hold. Found them so much mixed that could not determine whether all one material or several.

It rained early this morning and by 7.30 the fog became very dense. Could not see collect insects but so far as floating is concerned no progress was made. However I examined dry hole along the west cliff and turned over some rocks and in the fog secured a few flies, a spider, and one beetle. Also secured a few earth worms. These are about one inch long and about 1/32 inch thick. The color is a very faint pink, nearer white than [illegible]. I found them under rocks in one or two places and in another place some specimens together.

At 11 A.M. it began to rain again.

The coast near Jansen's Cabin is called Signwia point.

At 4 P.M. we take up the anchor and by 4.15 we steam away with Jansen as pilot. It has been foggy and raining all day [illegible] to see if does not clear up. [illegible] give one short, sharp blast of the whole [illegible] Chief is manned by Captain Fitzgerald, Mr. Porter, Mr. Kane, Frederick Carpenter and one Esquimo.

Aug. [illegible] Greenland

[illegible] vessel in Sight and [illegible] a marked [illegible]
[illegible] White Bird Sighted [illegible]
[illegible] Sighted Cape Dyer at 4h 30 P.M. [illegible]
[illegible] Fog soon encircles [illegible]
[illegible] again on deck although [illegible]
[illegible] Captain [illegible] positive [illegible]
[illegible] are various suggestions [illegible]
[illegible]
[illegible] at 7.30 on each side [illegible]
[illegible] rise the "dirty hand".

It proves false hope, we first sight the region of Eggertsoen. The [illegible] Greenland, on due to the great distantance of the clouds in this region. Capt. Bartlett intended to come upon the coast much farther north, in the region of Frederickshaab.

Drew on deck [illegible] to 9 P.M. and then retired [illegible]

Next plans view to get ashore somewhere on [illegible] and on return voyage to call in some of the [illegible] at Niakornat

Aug 6-97 Friday. W. Greenland.

This morning the clouds cleared, obscuring the inland portions of Greenland. The [illegible] land is [illegible] more covered with small glaciers than in Baffin Land. Birds are numerous [illegible] the eider duck and a greyish sea gull.

Mr. White and I spent the morning in getting our firearms in deck to make sure that they, one for [illegible] at Etanerdjuit and the other in the region of Umanak. We cleaned all, except [illegible] which [illegible] up to Prince Leo. We finished the work in the afternoon. White saw a whale today.

[illegible] are aboard in [illegible]. [illegible] are still at Godhaven and they have their provisions now on deck. Mat, Lucas' man, and Tigris are busy cutting [illegible] used in securing the meteorite. They are provided with [illegible] and planks. Most [illegible] all cleared up to be in readiness for the [illegible] Greenland and receive permission to do so [illegible] Greenland. It is understood that all parties [illegible] and that permission are necessary [illegible] Greenland.

The coast of Greenland looks in unpleasantly due to the cloudy sky and the distance we are from land. The remarkable nature of our voyage so far in the almost entire absence of ice. Also the coast of Greenland is nearly ice free. Here in Upernavik the question is not when is ice going to break up but when will it form. We are looking forward to a difficult time for the next month.

The ranges all around 74 55 N.

Captain Wm Bartlett, Brigus, Newfoundland
F. Officer Maynard Taylor
S. " Tom Chaplin
Chief Engineer Robert Hunter
2nd " Steven Bonia
Chief Steward Hyppolite Perez
Asst. " Samuel Strader Contractman in Greenland
Cook William Godley
Carpenter Caleb Ledrew
A. B Tom Snowden
Jim Wyeth
Albert Bennett
Wm
Jt. Bartlett
Hunter Strader

Benjamin Franklin
in Room Wm. Roust
Jos Bryan
John Gratton
Charles Roberts

Passengers. after deck
Lieut R. E. Peary
Mrs R. E. Peary
Miss Marie A. Peary. from Cape Sabine
Nurse Laura Murray
Valet Matthew Henson, Colored,
Mr & Mrs Fuh Lee.
Doctor Dorsey [illegible]
Albert Operti, artist.
A. E. Figgins
David Britt, Washington, D. C.
Charles Schuchert, Washington D.C.
V. Hickey, Bethel, Conn.
Robert Stein, Washington
C. Jansen (Cape Horn)
Russell B. Porter, Springfield Mass.
L. V. Shaw, Martin Hyannis, Mass.
Dr O. Titzmann Baltimore, Md.
C. [illegible] (his son)

Pres. Faunce of Baptist [illegible]

A. Hollis White — Robert [illegible] of [illegible]
Goodrich
J. N. Carpender
C. H. Beal
C. A. Moore Jr.
C. L. Baldwin
P. M. Perry
Osborn — Reporter, Boston Post
left the [illegible] at Cape [illegible]

Aug [illegible] Saturday. — Godhavn, Greenland.

We expected to arrive in Godhavn at any hour during the night. It however proved that we came on the [illegible] Greenland [illegible] [illegible] than even at first thought possible. At least we did not arrive at Godhavn before 8.30 this morning.

Godhavn cannot be seen from the sea. The great almost precipitous cliffs of 2000 feet face [illegible] [illegible] one sees that a low land mass of granite [illegible] (on [illegible]) [illegible] [illegible] the bay, the village of Godhavn is situated on this peninsula and consists of the Inspector's house, the Governor's house a storage house, a church and fourteen native houses. The [illegible] [illegible] houses have [illegible]

mansard roofs, are quite large and were it not
that Prokesch A. Andersens reside in Copenhagen
and the Governor a bachelor one would have an
interesting royal visit Pearl, Mr. Lee, and I
called on the Governor the former showing his
credentials. Mallows were soon adjusted and to
me it appeared that no nations could be more
unchanged but that we could see a change in
Denmark. The necessary letters to forward us
on during the journey said we would return to
Copenhagen. Later I noticed a white cross on red
ensign of Denmark and named by some nations
carry through the ships, Red flag was also
common and to be hoisted, to the fort each
of them opened fire in succession. The latter
advised the necessary passports and formalities
were made over. From the ship quickly and over
six pounds were fired while the ship cleared the
British fleet.

Ashore all was active and in an open
invitation came from all the native hats to come
in and see their wares for sale. All sorts of
clothes, mats, muffs, ivory ornaments and carved
[illegible] umbrellas. [illegible] were the

most active and the rajah driving. They have rode prepared more death than of the attorney many of the men would give a small fish for a part of earth.

The houses are built with stone and turf or turf alone up to a certain height where a wooden roof covers all. Some of the houses are double, both all in a row and in excellent shape. The walls are covered with pictures it may be a chromo Christ or a wood engraving of Denmark. Any picture will do. Then they have small prints of European ships, ladies and dancers etc. One side of the room has two windows and out of the same side next a door leading into a low and narrow tunnel a man closed by a door. Opposite this side upon an elevated platform are the sleeping places and as far as I could see there were three or four beds. They were rolled up and leaned against the wall. Near the raised platform stood a large round iron kettle or stove in which fuel is burned. The color of the women had a fishy smell but I cannot say that they were particularly dirty.

The costumes of the natives is much

modified by Danish influence. The women are very decorative in combination of Eskimo and Danish costumes. They wear long generally [illegible] and seal skin pants. Above [illegible] waist [illegible] stuff. Around the neck [illegible] of [illegible], [illegible] or one of beads. [illegible] have it done up in a perpendicular top knot round in [illegible] of married, [illegible] single, and red and blue [illegible] widow, green [illegible].

These people are [illegible] Eskimos, [illegible] [illegible] [illegible] women [illegible] [illegible] and [illegible] [illegible] [illegible].

[illegible] small [illegible] the women and [illegible] [illegible] [illegible] all.

The [illegible] feet and [illegible] feet all in a [illegible]. [illegible] [illegible] [illegible]

rare cirrus. The white crumbles down so that there are low talus slopes. A little of the inland ice could be seen in one place.

The vegetation here is far more prosperous than in Baffin Land. Upon the white the lowest mucil like that mentioned but are more tall and extravagant.

The day is clear and cold. We pass one of the small fishing vessels at 4 P.M. We leave Godhavn at 1.15 P.M. We salute with 21 guns.

[illegible] 250 E. 57 51. 41 [illegible]

[illegible] The position of the place is noted according to the chart.

At 11.30 P.M. we arrive at Ritenbenk and proceed at once to take more than one half of our provisions to shore. These are placed in one pile covered with a tarpaulin and mark on the top an improvised flag made of tent cloth upon which we painted U.S. Just as we finished our work ashore we heard loud reports as if cannonading when Capt Peary advised all to get aboard at once. The cause of all the noise and excitement was due to an iceberg breaking off [illegible] great masses followed by some

small dwellings in the water. Upon arriving on board of the [illegible] we noticed five [illegible] [illegible] of the boat and sure enough there are [illegible] Kiaklen after us. [illegible] [illegible] advised me to [illegible] them to the Governor [illegible] [illegible] [illegible] [illegible] [illegible] my valise and sealed in an envelope a [illegible] [illegible] [illegible] [illegible] letter [illegible] [illegible] [illegible] and a copy [illegible] which I [illegible] [illegible] [illegible]. The letter [illegible] [illegible] to the oldest Kiaklen [illegible] [illegible] [illegible] and [illegible] all a large [illegible] of [illegible] [illegible].

I have never seen a [illegible] [illegible] [illegible] [illegible] [illegible] Kiaklen. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the saddle. [illegible] [illegible] [illegible] one [illegible] [illegible] most [illegible] [illegible] [illegible] [illegible] [illegible]. The [illegible] [illegible] [illegible] [illegible] [illegible] to [illegible] [illegible] a [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]; a [illegible] [illegible] breaking [illegible] [illegible] [illegible] a [illegible] [illegible] [illegible] [illegible] Kiaklen [illegible] a [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] all [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

We retired at 1.20 P.M.

[illegible] 41° [illegible] [illegible] [illegible] [illegible].

Aug. 8-97. Sunday. Cloustrak Peninsula.

Arrive at 7 A.M. with the sun out in all its glory. A more beautiful day cannot be desired in north Greenland. At this time we are just north west of Hare Island. Two Kiakers come to greet us, being out evidently to watch seals. On the front of their kiaks they have a small white V shaped shield. I am told this is to mislead the seal into the belief that the kiak is but a piece of ice. Certainly the seal would not recognise behind the offside
Eskimo, and he ask or low in the water.

At 11.10 A.M. we pass Kiakomet. This village is situated back of a tidal creek and is a greenish. A number of Kiaken come out to greet us and race in kayaks. A man with one apparatus throws into the sea a bladder with strings attached when they race after it. A more peaceful lot of men will not be found. Fully adapted to the needs of the home cannot be seen. To better advantage than here in Greenland. On the top of the bluffs stand entirely 30 to 40 women all in Sunday clothes, hair dressed and glossy. Their skirts are red, white & dark and fastened yellow trim.

At 9.45 we are off Cape Parry (pass Ekkarfats) lat. At 2 P.M. at 5 P.M. we are in the very same ice [illegible]

harbor of [illegible]. were [illegible] the [illegible] Peru [illegible] Taking on the oil and skins gathered during the [illegible] year. By the 1200 [illegible] living in the District of [illegible] Gov. [illegible].

After supper about 5:30 [illegible] a call on the Governor, Hjalmar [illegible]. He speaks English fluently and [illegible] for his hospitality. After a [illegible] introduction [illegible] some food. Wine is served and the [illegible] are good [illegible] [illegible] a [illegible] [illegible] of the gentleman [illegible] it a [illegible] one and [illegible] evidence of [illegible] and [illegible] [illegible] said [illegible] [illegible] are [illegible]. [illegible] a [illegible] and [illegible] the [illegible] of [illegible] and [illegible].

The village of [illegible] is situated in an island of the [illegible] [illegible] in [illegible] and above [illegible] 3000 [illegible] and [illegible] [illegible]. [illegible] is [illegible] inaccessible. [illegible] is a small [illegible] and [illegible]

A[illegible] it is a store house followed by the residence of Mr. Spurtgen enclosed with a greenish fence. Around these houses are other buildings with [illegible] foundations tarred and surmounted by a [illegible] shed. These are the drying places and store houses. There is the house of the assistant to the governor, the church, the parsonage and quite a number of natives' huts.

The [illegible] of the natives are very [illegible] square houses built of sods laid in sod. From the top which is flat emerging a very sicken short smoke pipe; on one side, there is usually a window about 2 x 2 feet. These huts are very small and decidedly [illegible] since we have them as ordinary [illegible] the [illegible]; they are originally houses [illegible] all the houses there is a [illegible] frame [illegible] [illegible] by some [illegible] [illegible] the [illegible] is dried [illegible] skins are hung and [illegible]. There is a [illegible] against the dogs which will eat everything except the stones and rocks.

This being Sunday the [illegible] [illegible] in their best clothes. Every [illegible] may be [illegible] in the [illegible] that [illegible] be [illegible] on the rocks [illegible] [illegible]

in some highly colored woolen material usually
checked. Around the neck there may be a
fur collar or an elaborate beaded piece evidently
of Danish importation. This is ordinarily to a short
point usually of coral down to the knees. Vertically
down the front of each leg there is a row or rows
each with highly colored or ornamental leather
strips. The flaps are short and white except
the other which are dark. Between the flaps and
the hip-cloth or pants there is a garment in form
of pointed tunics. Ear rings are usually worn.
This costume may many color variations and
is worn by two thirds of the women, the
third modern or attempt at arrangement
are usually the oldest women, [illegible]
women make no attempt [illegible] and forbidding
again is uncovered and displays [illegible]
their clothes are three times [illegible]
dirty and is removed [illegible]
and motion.

All eights are the days and the
time of the year [illegible]

The staple of the native is [illegible], a
tuber, for which bread. Fish are much [illegible]

to make the exchange and I can't be very fond of those kind.

The sailors are ashore at both vessels and many of them in town. There is an dance in progress. The sailors have no difficulty in securing girls, as Koreans, and even allowed what they should. Many are disabled. The Head Officer is a tall, [illegible] looking at the couples [illegible] with Daniel Boone, who [illegible] a good deal of a mongolian. [illegible] decided almond shaped eyes. [illegible] and the [illegible] with [illegible].

Steaming [illegible] the [illegible] fjord was a grand spectacle. [illegible], without wood, and on all sides [illegible] by [illegible] there are many [illegible] and [illegible] to the [illegible] sedimentary.

At 12 P.M we left our [illegible] and proceeded astern. Tried at 7 P.M after [illegible] the [illegible] steam away

Aug 9-10 Monday. Ommanak, Greenland.

We have the honor to be the guests of Rev. Hjalmar Knutzen. Mr. White, Hickman and I occupy a small room on the second floor overlooking the garden, the Ommanak fiord with its numerous icebergs and the mouth shore of Nonnarsuk Peninsula. The Danish beds are hard and we are turned in rather early. Two feet more and we could touch the ceiling. After a refreshing bath we rest on the pillows till about 11 a.m. and shortly after a native knocks at our door. On answering him he enters with a tray and three cups of tea and biscuits. We partake and lie down again for 3/4 of an hour more.

At 9 we are asked to breakfast and we find it in pleasant array. We enjoy tongue with Ommanak, anchovies and brown or white bread. This is followed by fresh trout and a light ale made in Ommanak by the Danish brewery. The materials in the ale have come from Denmark. Schnaps (Danish brandy) is served at the same time. Following this we have the dessert in Greenland Rümmel. The menu consists of Ptarmigan and preserved strawberries. The last course consists of Knutzen cheese and a very fresh string bean. Rev. Knutzen is always stimulant in always careful to give us a little in more than

[illegible] served us next and finally [illegible]
[illegible] [illegible] [illegible] we leave the house.
Dr. Waite and I then start out on the
cliff. On the way we collect numerous plants,
but find the [illegible] season almost over. On the
way to the cliff we get our first view of Faeroe.
We [illegible] almost a land and get [illegible] a
real [illegible] [illegible] We can get about [illegible] and spend
about one hundred [illegible] before [illegible]
Falling rocks. The [illegible] cliff is [illegible] [illegible] [illegible]
rocks are [illegible] [illegible] one shade but dark [illegible] [illegible]
rocks. Whirl [illegible] we have several [illegible]. We
return to the village at 2.30 P.M.

Dinner is announced at 3 P.M. and [illegible]
with [illegible] [illegible] [illegible] are [illegible]
Denmark and Faroe [illegible] in Denmark by
Mrs. Finsen. With the [illegible] and [illegible] [illegible]
[illegible] [illegible] a [illegible] [illegible] [illegible]
Blue [illegible] native [illegible] [illegible]
additions [illegible] with the [illegible]. Various [illegible]
also served. Cheese [illegible] [illegible] with
[illegible] [illegible] to the [illegible] of [illegible] [illegible]
and [illegible] and sugar
and more [illegible] served.

After [illegible] [illegible] [illegible] [illegible]

ethereal specimen. [illegible] we [illegible] average
[illegible] all [illegible] [illegible], and [illegible] run in
our nature. [illegible] [illegible] three [illegible] in
10 days [illegible] [illegible] [illegible] [illegible]
nation in the Kiaochow [illegible]. For one [illegible]
were [illegible] for 28 days to Otto Sandbank and 6
days return to [illegible]. For [illegible] in 1st [illegible]
[illegible] we [illegible] 10½ cents. At [illegible] time [illegible]
1st in port [illegible] we [illegible] [illegible]. [illegible]
arranged for us to take [illegible] other ones to
take us to Cotanderland.

[illegible] [illegible] and call us in at Alexandra
Bay on Sept 5th. In case we don't [illegible]
the [illegible] will warn us to [illegible] to
Rittenbank informing [illegible] of our position. If
[illegible] vessel [illegible] [illegible] will [illegible]
Station [illegible] [illegible] to [illegible] [illegible]
case of such an accident [illegible] [illegible]
[illegible] [illegible] should [illegible] [illegible]
Otavi with a letter for the [illegible] in case
she [illegible] [illegible] and proceed to [illegible]
we [illegible] [illegible] [illegible] Rittenbank, we
[illegible] shall [illegible] [illegible] [illegible]
Bank and [illegible] the [illegible] with [illegible]

out for the Hotel. At Rotterdam we will learn more as to further proceedings.

Supper was announced at 8.30 P.M. Again we had a splendid meal.

Retired at 11 P.M.

A clear sun-shine day

Aug 10-97 Tuesday. Rotterdam, Nouvelle Zeeland

Arose after ten was served in the room and by 8 A.M. were over packing our belongings in the trap. At 9 breakfast was served. Steak with onions like the one of yesterday with the addition of two eggs. These eggs are larger than our eggs, more pointed and the albumen is more transparent. Good eating.

At 10.30 Mr. and Mrs. Knutzen came again to say good bye and a pleasant visit. Gave a present. They accompany us to the rail and by 11.30 P.M. orders is given to start. Upon turning out of the small Channel into the Zuyder Zee we again see the Knutzen's waving us a good bye. The waters crossed fairly well and without intermission. By 1.30 we are at the place called Kampen, the recently wrecked Mr. Kruger gets his coal. There is one motor vessel here [illegible] have come from

Time. Tents are at once pitched and a meal prepared by 5 P.M. after which we proceed to collect fossils. We return by 8.30 and retire at once. Retreat at 11 P.M. The water is about 3 ft. deep and cool.

A clear day of sunshine.

Our native attendants are Ganga, Mudhu, Kram and Police.

Aug 11-97 Wednesday Lat [illegible] Camp 4

My first attempt to sleep in a tent with some success ended in a failure. I awoke at the usual reveille, 3 A.M. and at 3.30 started out for a tramp, the sun still, and almost over the hills, but all about us over 3000 ft high. Concluded to tramp to the top, the ascent about one mile and a half from camp. We found in this region a plateau on the summit of the mountain, and at the base of the mountain a stratified limestone, and on the plateau a crystalline yellow-brown ore, and on the [illegible] cliffs on each side of the [illegible] are, from 10 to 15 feet in [illegible] all of [illegible]

led it several hundred feet wide, full of more rounded
numerous boulders and towards the glacier with certain
ice. The front and sides of the glacier is precipitous,
a dirty brown black with tints of impure white grey
a distinct but irregular stratification. Numerous fissures
are present as in rock masses. The top of the glacier
is a level snow, yellowish brown in color, deeply crevassed
and almost completely covered with small rounded rocks.
As the ice melts the rocks fall down the slopes into
the valley and from these they roll off down on the
terminal moraine. The moraine adjacent to the glacier
is irregular but a much regular and much higher
one is present some yards away separated from the
inner moraine by a small valley. Several small
streams emerge from underneath the glacier and are
but the water are in quite muddy. Returned to the
camp by six A.M. Slept until 7.30 when
breakfast was announced. While waiting for breakfast
to cook for one hour and a half we went to work.

After breakfast Mr. Hale and I collected fossil plants
in the rocks resting to the west of the glacial river or
rather the uninhabited island. The plants are by no
means good specimens. The section seen here was
as follows, thickness estimated, order ascending

[illegible] [illegible] 70 feet.

Coarse, yellow sandstone with small [illegible] to a conglomerate. About 10 feet

Light sandstone with rocky shale and [illegible] seam. Coal about ten feet pinching 35.

[illegible] sandy shale 15.

[illegible] 4.

[illegible] 6.

[illegible] sandstone with thin [illegible] 60.

Strata dip 10° 12° north

[illegible] natural [illegible] various

[illegible] special time [illegible] collected [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible], calcareous,

Concealed 4 [illegible]

Fossil, part, sandstone [illegible] are [illegible] at

[illegible] the top, [illegible]

Lime and conglomerate with shale [illegible]

[illegible] coals, [illegible] 20 [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] 10

[illegible] 30

[illegible] 70

After supper concluded to make camp early in the morning and go to Pastorfik.
A clear sun-shine day.

Aug. 12 - 1897. Thursday. Near Karsuk.

Got up at 5 A.M. to prepare to move camp to Pastorfik. The dog harness tore and it was noon before the sun got through. At 7.45 A.M. we pushed off from shore. The four Innuits and Sam are at the oars and at 11 A.M. are put in about 3/4 mile east of Karsuk. The distance rowed is about 12 miles. On arriving at the place a Kiosker is seen at land. We give them a few things and in less than half an hour after his departure numerous Innuit children and grown ones arrive. One old woman says Mr. White and says she speaks English "long ago speaks the English" but before our second question is asked we discover that she knows very little of the language. Mr. White and Sam go to Pastorfik to collect fossils and just as we are ready to go the Innuits announce that their Local Governor is coming. We go forward to meet him and he gives him letters handed us by Rev. Kruger for delivery. He speaks both English and German

[illegible] Adlessen (?) C. Brusta and manage to understand each other a little. We [illegible] to the [illegible] which is practically a large summit house. The inside however is furnished in the modern [illegible] style [illegible] rather [illegible] the library, several [illegible] books in the most conspicuous [illegible] the [illegible]. [illegible] is of Spanish origin and came to Greenland [illegible] [illegible] short in [illegible] are Italian [illegible] and a number of [illegible] the land place. [illegible] Laxemark [illegible] [illegible] costume [illegible] but evidently it is done to distinguish [illegible].

Mr. Brusta [illegible] assistant [illegible] us over the place, and his wife soon after [illegible]. We [illegible] various natural [illegible] art [illegible] and [illegible] specimens [illegible] and [illegible]. We next [illegible] deer, fox, dog and arctic hare. [illegible] for 12 Kr. [illegible] 9 Kr., [illegible] for 6 Kr., pair [illegible] same for 2 Kr., [illegible] for 6 Kr. and [illegible], each [illegible] 5 Kr. [illegible] 3 Drums (?) and 8 Kaomas (?). [illegible] Brusta

again serves some and escorts us to the outskirts of the village.

At 3.30 P.M. Mr. White and I start last for Pajanville. On going a short distance we stand if the coast to examine what appears to be the same kind only to find them of the crystalline rocks. Recollect near Sarta while Mr. White goes after about 2½ miles out along the beach and finds [illegible] of the recent limestone on these crystalline rocks has a number of shells in excellent condition a new species of [illegible] some [illegible] butterflies and [illegible] flowers and finally [illegible] we return to camp. 6. P.M.

[illegible] coming from Krolli [illegible] their tea time the customs [illegible] to wear Pajamas and then appear here and there on the [illegible] the crystalline rocks. From a little [illegible] Pajanville we have the fine olive [illegible] are of the crystalline rocks and low and flat [illegible] traversed by deltas of alluvium. Some [illegible] of [illegible] and a few [illegible] [illegible] crystalline rocks.

Hot and tonight.

Aug 13-97 Friday. Near Karsleh [illegible].

At 7 A.M. [illegible] and [illegible] start for the [illegible] locality one and one half miles [illegible] our camp. or about two miles [illegible] Kalrout. [illegible] worked until 12.30 P.M. and [illegible] full of [illegible] "Fossils good", or oogs white [illegible] at home are alternating [illegible], [illegible], [illegible] and coal. The [illegible] is [illegible] [illegible] and [illegible] lies a [illegible] [illegible]. We have a [illegible] locality [illegible] on the [illegible] [illegible] the thickness of the [illegible] [illegible] [illegible] horizons are near the centre of these [illegible].

Above the [illegible] uncomformable are loose greenish sands and [illegible] with marine shells of many [illegible] such as [illegible] and [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] 1.0 feet [illegible] [illegible] a bench.

While collecting at this place a [illegible] [illegible] and the pastor [illegible] Ommerall came [illegible] [illegible]. He is a little pleasant red-faced man. He is on tour visiting the people [illegible] his parish. After a little conversation [illegible] asks one of the [illegible] to bring [illegible] a [illegible]. It is a [illegible] green [illegible] bottle labeled with a [illegible] [illegible] written [illegible] in the book [illegible] and a [illegible] [illegible] and [illegible], The Herr Pastor [illegible]. He invites us to a drink of Madeira and then out of another bottle he serves [illegible] [illegible] [illegible] to a

drink.

Re return to camp by two p.m. and find that the pastor is here and has come to dinner by Mr Stokes. The settlers are again in evidence and the two gentlemen are enjoying their coffee and a smoke. Indigenous. After dinner Pastor Wilson tells that his servant boy today to Rakaonnall is stranded and will remain over night at Kaiwenti.

One of the Kaiwenti natives gives us some graphite which occurs back in the hills. Other natives bring in skins, lizards and birds, i.e. fantails, riroris, ducky and one small native bird something like a snipe. The fantails are pink and one white.

At 3.15 - Mr Hiatt and party start for the plant location at Kaiwenti. From the sea up to 300 feet the hills are covered with fern and scrub from that level to 1000 feet are rata and plant in a dense belt. The coal bed lies 1000 feet above sea level on a gentle slope in dense clumps of trees. At 1020 feet on the divide the bush is thinner and the ground is covered with fern, scrub and rata. Here and there found with Kauri, rimu and matai. One can see down the hill two natives come out with axes to the dense bush. Just as we [illegible]

them Pastor, The latter boat is crowded from us. We carry to camp and prepare for another Greenland dinner.

At 8 P.M. White, S. and Victory are taken into the Pastors boat and at 8.45 we sit down to dinner in Mrs Brestas house. Mrs Bresta a native has for- merjan, Irish potatoes, prunes, Hard bread, cheese, reindeer tongue, head cheese sausage and another kind. Tea and crackers go along. After dinner a pretty small is served and at 11 P.M we go to the large native house to look in upon the dance. The house is full of natives.

A sort of cotillion is in progress in which at first the couples take part. Each couple races, do a short of jig and then swing their partners, the men then go to the center and swing returning to their women and dance with their partners. The Pastor then goes to the center swing and advances to a partners fourth along. While they jig is going the men and women clap their hands. The step is a dance in the Pastor joins, the floor is crowded, and the movements by the men are becoming wild. The excitement increases. The Pastor joins in dances.

At 11.30 we are again in camp. We find that one of our men has broken the two hand rod lanes

reds.

[illegible] visible in the day light.

Aug 14 Saturday. Narsok to Slibestonfield.

During the night we did not rise this morning until eleven. The natives in the town had their feast and after we had breakfast we at once broke camp. By 1 h. we are away and sailing up Narsuk to get our stores purchased of Mrs. Paston. Dick takes a picture of Mr. & Mrs. Paston, a group of women, and one of me. At 10,15 we are at Narsuk the whole town appears to be out to see us start, including the sailors on board the steamer. We return the salute and slowly sail away. For wind however we must all row for some of the time. Soon we pass a Right Whale.

At 12.30 we pass a point on the mainland near Ujaraarsuk an old house site. At a distance from our camp we find a tent and a little boat in a bay. Eight in Sealskin coats, &c. Whilst at dinner the Herr Pastor calls in on his way to Niakornak. He has dinner with us and remains about two hours.

At 3.15 P.M. Dick and Igor land along the beach to collect fossils. After a little [illegible] we come

upon a bed of dicotyledon plants which proves that the western end of this cliff is Atane in age. Farther east along the beach these beds continue for about one mile & there apparently there is an unconformity and the Kome beds abut on the Atane. This point will be determined tomorrow.

This morning a right whale or Aperaluk blew quite close to our boat, however I did not see much of the animal. The mist thrown upward floated in the air for several moments. The blowing resembled the roaring of wind.

Our cook Sam Brakivo says that this morning he found ice on the top of the water bucket. I cannot say that we were more chilly than the day before when there was no frost.

The day is a perfect one. At ten P.M. there is a beautiful sunset and the various islands along the north of the fiord stand out plainly. With the aid of a [illegible] I make out the [illegible] [illegible] [illegible] Mr. B. Baumgarten (pre summer [illegible]). He lives in Umanak and is the [illegible] in the Umanak district.

We retire at 10 P.M.

Aug. 15th Sunday. Slibesterfeld = Kirrangtorsum

Had breakfast at 8 o'clock. At 8.30 White and I proceeded along the beach while Mr Stirling goes to climb one of neighbouring cliffs.

Collected Otaxe plants all the morning while Mr. White went further east to the second large fossil dike from our camp. From this second dike I have a sample and from the third or yellow dike. The fossils from this "middle Slibesterfeld locality" are far better than the "western Slibesterfeld locality". Mr. White collected quite a large lot in the morning.

In the afternoon Mr. White made a rough section of the strata along the beach from our tent to about five miles east. Both of us looked for fossils east of the fault and found some which seem to indicate Rhaetic beds.

Four taps if possible the result of this days work.

About two chains of the crossing the strata of the western belt rapidly turns up and almost stands on end. To the east in this place the strata are nearly horizontal but dip gently. The Editor. There may be a fault at this place but a decided one I could not see. However there may be a slight fault at the

place, on the range to the westward. The strata to the east of this fault rest unconformably upon the old igneous rocks. My sample is a surface specimen and is therefore weathered. One of the fresh samples [illegible] rest of the party brought in of the same nature.

Mr Hickey was away all day climbing the basalt beds back of the camp. He returned at 6 P.M tired out after an exciting days climb. Part of the descent was on a glacier. His specimen was not the most [illegible]

The day was clouded but not very cold. The thermometer at 7.30 P.M registers 38.° in the tent.

[illegible]

Aug 4th Monday Slibestempelet

[illegible]

faulting as farther east. We then climbed up to 1200 feet above the sea where I left White to continue up to 2000 feet. At the level White found ice running under the rocks. On my return to a level of about 1000 to 1100 feet I collected a small lot of Rhone fossils in a coal band. The Pinus Cranii also occurred at this level and we found it much lower down. The general dips in this region is nearly uniform and is towards the sea. The streams run along the dips. The general mass is made up of sandstones, conglomerates and comparatively thin bands of carbonaceous shale and coal.

Returning to camp by 12.30 we had dinner and by 2 P.M. we shoved away for Kerrik Angnertunek arriving there viz 6 P.M. On the way it is plainly evident that the great mass of basalt above the Cretaceous beds has once formed upon them since to the westward it comes down to a lower level where the Cretaceous beds appear to dip easterly and thus place the Cretaceous in sea once from the summit the ingress and finally covers it.

On this region the basalt cap is very extensive but rarely is it of columnar and other structure only in comparatively thin bands.

We camped on a [illegible] flat [illegible] of Kook Cr.

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] here apparently [illegible] all. From [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 20 [illegible] [illegible] [illegible] [illegible] one [illegible].

[illegible] [illegible] our [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] fresh then [illegible] in the stream [illegible].

[illegible] small [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] camp on the beach

The day was clear but a little cool

Aug 17-97 Tuesday, Near [illegible]

Had breakfast at six. [illegible] and I started [illegible] to the [illegible] which come [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. This is [illegible] [illegible] [illegible] [illegible] [illegible] camping [illegible] which are [illegible] to be [illegible] unquestionable [illegible] [illegible] [illegible] [illegible] [illegible] out [illegible] [illegible] [illegible] without [illegible] [illegible] camp [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the stream [illegible] but [illegible] next [illegible] [illegible] [illegible] had [illegible] [illegible] [illegible] [illegible]. [illegible] several [illegible] but our morning's [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] at camp [illegible]

[illegible] and [illegible] [illegible]

I purchased them on a Knoll. These where found near Diallgonat.

In the afternoon we went west to Knoll Ongueteuneth and cracked several hundred nodules and secured quite a lot of fossils. However but four nodules in got had fossils, some fossil wood one purchased of a native and this White found the best piece, good, I secured a Scaphites. It seems that the nodules to the west and became somewhat more rusty bearing.

The beds from which these nodules come is a black shale. It holds considerable water and great masses slip down into the streams. Vegetation is active on these slopes. These beds are litho-logically quite different from anything we have seen. On the whole it is a black shale, the fossils [illegible] are quite [illegible] and appear to be on black soft shale.

The idea conveyed in the field is that these beds are younger than the [illegible], the latter can seem to gradually become less thick westward. Along the sea several appear and a little east of Sand point the black beds [illegible]

[illegible] in his [illegible] 1935
[illegible] in error.
[illegible] earlier state[illegible]

and with basalt interbedded.

In the evening prepared to move camp in the morning.

To-day [illegible] drift[illegible] [illegible]. [illegible] had [illegible] them. [illegible]

The day is clouded, but the air is [illegible] that the [illegible] is not [illegible] or [illegible] [illegible] ice [illegible] [illegible]

and we [illegible] in a great wave [illegible] fall [illegible]

in a stirring sea.

[illegible] Near [illegible]

[illegible] at 6 A.M. [illegible] 8.30 [illegible], Rowed all the way.

About [illegible] shore [illegible]

[illegible] with a [illegible]

[illegible] most of [illegible] times.

the basalt beds are now [illegible] than
[illegible] the [illegible]. Two
fine fine sandstone layers are present, one
most marked being [illegible] not [illegible] than 100 ft thick
and [illegible] 750 ft [illegible] the base. The
sandstone is [illegible] to be local.
[illegible]
interbeds [illegible].

Took a photo of the basalt [illegible] Niakornak
and [illegible] valley.

Arrived at Niakornak at 7½ P.M. Had supper.

1 Andreas Paulus Kristian [illegible] —
2 Hilleline [illegible] —
1 Miss Maria [illegible] Møller
2 [illegible] Miss Olivia [illegible] Jørgensen
The above couple will be married [illegible]
[illegible] today.

Arriving at Niakornak the [illegible] old
[illegible] met us [illegible] Carl Friedrich Nikolaus
with a [illegible] [illegible] Lyngbye Kleist,
came to bid us welcome. We are soon asked to the
[illegible] Governor's
[illegible] house where we [illegible]
and [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] specialist
basalt somewhat [illegible]. [illegible] more or less

Temple of Fit.

The [illegible] Brahmans sit, on the right hand on the wooden side. [illegible] ceremony [illegible] the Church is a very simple square built outside of stone in layers laid in [illegible], there is a raised [illegible] in the center of which at the door there is a small wooden cross. Inside all is finished in wood very plain. The alter consists of a [illegible] table covered with linen. Above this is a shrine in which is placed a picture. On the table there is a wooden candle stick and two candles. In front of the alter there is a railing with a communion rail inside. Outside of the railing to the right, there is a small wooden pulpit. The entire gallery in the church inside the railing reaches the alter on the east side and is entered on the [illegible] side on the left. The balance of the floor is covered with plain wooden benches. There are two [illegible] aisles, one door on the [illegible] side and the [illegible] in front. The colors inside are blue, yellow and white. The women occupy the left [illegible] take the right, the pastor has an [illegible] from which he reads the [illegible]. Around the neck they wear a white collar [illegible] closely fitting [illegible] collar, [illegible]

ceremony the children sing while the young people have risen and wipe their hands on their pants or skirts. Hand kerchiefs are not in order.

The marriage ceremony begins with a very slow chant borrowed from the Danish Lutheran Church, preceded with a prayer read by the catechist. When he begins calls for the contracting parties who rise and two men step forward from the right hand side while two women come from the other one. They are arranged in couples before the railing. The pastor then reads a very [illegible] address [illegible] Romachar Tajan follows. Then he asks first the man, and then the woman whether they have asked the people in church to be married and [illegible] Secondly they promise to love, cherish and be true to each other and lastly has either one been given in marriage to some other person. In this land of no two men who give the loudest voice of consent during the [illegible] of the ceremony is heard [illegible]. After these questions have been answered in the affirmative man and woman shake them with hands, rise and kneel before the pastor. He [illegible] his hands upon their heads and under them. The bride and groom rise to their respective sides of the catechist arrows and walk

prayer followed by a song followed by a short
prayer & that was the service. [illegible]
[illegible] while Mr. Hickey and I shook the bride with
our best wishes. They are overjoyed with the events
while the fact that they are now married does not seem
to be contemplated. We leave and go
then directly to homes from which we came.

Mr. Hendrickson asks me to his home to
have coffee and after a pleasant conversation we go to
the store to examine the skins. I purchase one large
seal skin and a small one of a fine sheen. The
former cost me $100 and the latter $30. We go to the
house again for some rum and shortly after dinner
to our rooms to prepare for departure.

We sit down to dinner at 7 P.M. with the
Otter Pastor and wife and Mr. Hendrickson on the
extreme left and right and Mr. [illegible] between us. We have
course upon course of very excellent fare, such as fish, game
and chicken and roast veal. Carrots [illegible] cauliflower
and cabbages are the vegetables. Next follows almost
cake like that we had at [illegible] which there is some fine, then
which there is some fine. Then pudding and
coffee follows. After a little while a hot punch is

served with music played by the Bro. on a small automatic piano. The pastor dances a time with the native women, and sings several native hymns and winds up by singing in English our well known song "Long, long ago". We are outdone but before going we have some devotional readings and at 10. P.M. depart from Bro. Hendrickson's house concluding that we never had a more enjoyable evening.

Mr. White and Helbig with Sam return to the dance and say that it ended much. Retired at 11 P.M.

The Hon Pastor accosted me with a fine and large palms text. Hendrickson (as above) has been in India and has 4 wives. One married to a native woman and have several children. His half-breed son has a baby; he is more dance than ever.

Aug 19-97 Sunday. Niakornat.

A very light rain began to come down this morning at 2 A.M. The wind is also light at 7 but the rain is quite considerable. After breakfast we back all the things to be left for the steamer "Lapse" on the southward passage. She consists of skins, many bags of gasoline, stove and a bundle of hardwares. All are delivered to the agents and are stored in her shops. In case the "Lapse" should not [illegible] the following [illegible]

of Brooklyn, United States of America. Delivered to [illegible] American Consul in Danmark". I also gave Dr. Hendricksen a letter for Lieut Peary [illegible] from north and the date [illegible] departure for [illegible] and Atanekerdluk.

While taking our luggage to the store [illegible] the governor asked us in to breakfast. We have [illegible] bread and butter [illegible] [illegible] cheese, Swedish cheese, meat hash, coffee, Carlsbad beer and [illegible] A little later a very fine wine was served.

We purchased 5 gallons of seal oil for our stove [illegible] [illegible] [illegible] each [illegible] [illegible].

Around the [illegible] [illegible] me [illegible] [illegible] and [illegible] away.

[illegible] [illegible] a [illegible] [illegible] L. E. Peary and [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible] learned from the [illegible] [illegible] [illegible] [illegible]. They are [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] teaches them some of his songs.

[illegible]

At 3.30 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] elevated [illegible] [illegible] [illegible] been

to [illegible] there covered with fresh snow. It comes down to about 1000 feet above sea level.

The village comprises the governors residence, a store and warehouse which are situated on one side of a high road which on the other there are about 12 native houses much like those up Taranaki. We climb up a sort of [illegible] to the lake of a dirty color lies around the centre with rocks and rock there in a heap. To the north and south high precipitous rocky mountains which are probably not less than 4000 feet high.

The dinner at Govt. Sandrickens house was again a good one and in general in same as the evening before. The again gave us music and the Hon Capt. Friend in singing. We shall never forget the days spent with the various governors in Zealand. Of course much of our pleasure and enjoyment is due to my Hon Pilot and his wife. I am now convinced that he laid in wonderful duties along our route at the suggestion of Sir Hamilton so that we would be looked after.

We retire at 10.30 P.M. surrounded by native women and children.

The native women sing Tararua de toom de aye, Marsaillaise, one of Strauss waltzes, and White Cockade from Opera.

Aug. 20-97 Friday. Niakornat.

Arose at 6 a.m. and after breakfast finished packing ready for our departure for Nugsuak. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] and and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] and then slices of Greenland deer tongues, but [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

Our departure [illegible] [illegible] [illegible] full of the deepest [illegible]. [illegible] and a [illegible] seal [illegible] jacket [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. A farewell drink of wine in which Mrs [illegible] [illegible], [illegible] [illegible], [illegible] drank [illegible] [illegible] [illegible] in the village [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] away [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible],

The wind a head on and we make little progress not more than 8 or 9 miles in the next 24 hours. We go ashore and have a dinner and then pursue our way in a lighter sea. Mr. White does considerable rowing and 7 P.M. we go ashore for the night. We have made during the day about 14 or 15 miles one half way to Nugssuak.

Our camp is now pitched at the extreme north western end of Nugssuak Peninsula. We calculate that we are about 10 miles from Nugssuak. Our camp is a fine one on a pebble beach but it must do for the night, I am tired of the trip since the weather has now risen against us. We do not set off the last one to Whale Island till we get the light land in covered with fresh snow. Inside a bare rock is to be seen except along the water edge where about 100 feet high. In the back of the land the snow is not so deep but comes down in patches to about 300 feet above the sea. Numerous purple flowers are still in blossom not even here they will soon disappear after their short existence. The bloom of summer which is very short in Greenland is only too short followed by the death dealing influence of ice King.

After passing the precipitous basalt hills of

Oriat anat, which extends about two or three ~~miles~~ east and west the black [illegible] than at North [illegible] [illegible] along the sea. [illegible] and [illegible] the [illegible] hill [illegible] the shape of the rocks. Along the beach the [illegible] are seen [illegible] rapidly westward and are overlain by the basalt seen high on the [illegible]. The [illegible] of the way [illegible] than [illegible] seem numerously [illegible] by dikes [illegible]. The black rocks are also traversed by dikes.

It looks tonight as if the weather would clear and be more pleasant. [illegible] it may.

In Mitch's diary he says "Curtis is real [illegible] and I wish it were all gone."

Aug 21 - 91 [illegible] Magnall

It rained [illegible] [illegible] quite [illegible] in the night. We left instructions [illegible] [illegible] to get at 5 a.m. but in case [illegible] [illegible] get up [illegible] [illegible] [illegible] [illegible] go ahead [illegible] [illegible] [illegible] [illegible] [illegible] Last [illegible] [illegible] the left [illegible] of the [illegible] [illegible] [illegible] garden.

We [illegible] [illegible] [illegible] are more or less disgusted and [illegible] [illegible]. I [illegible] [illegible]

however to more pleasant conditions.

We passed very few camps at 2.40 and aboard on our journey under somewhat unfavorable conditions, storm raining and snowing with the wind against us. Progress however is favorable and we made by the use of the oars about three miles per hour. All goes fairly well until about 1:30 P.M. when we go ashore for lunch. Some ice at once discovered. I learn later that he could by means [illegible] not reach Umanak today and that it would be taken care of in the boat. He was very much and if it were possible he certainly should leave us. I regret the affair very much but it was done entirely to a misunderstanding. We arrive at Nugssuaq about 7 P.M.

Our tents are pitched near the place of those occupied by Mr Hart Hill party. Eskimos, We call on the governor, Hellig and Andreas Hendrickson, the one [illegible] of Upernivik, we were introduced in time. The wife calls us in and in the mean time he becomes enthusiastic enough to offer a glass of wine. He speaks no English and makes an attempt to understand it. He is the most governor we have met in Greenland.

The weather clear [illegible] cool and as we drive into Rungsted [illegible] and sparkle and sola[illegible] the sun is brilliant. [illegible] Hundreds of [illegible] are singing and screaming and [illegible] trembling [illegible]

An elderly [illegible] with [illegible] and shaken [illegible] us [illegible] and [illegible] We [illegible] and [illegible] She knows all the most places. [illegible]

We return at 10.30 P.M.

Purchased a [illegible]

Aug 22-91. Monday Rungsted K.

Visited breakfast at 7.30. Wrote a letter [illegible] Walked [illegible] [illegible] Park and paid [illegible] 1½ hours [illegible]

interpreter. Then presented each of the Emperor
open profile either a [illegible] and [illegible]
per man days ration [illegible]. At 10 A.M. we are
[illegible] ready [illegible]. The day begins, etc.

At 10:30 we row away from Nougsuak with a
clear sky. After a little while sails are hoisted and for
the first time we are sailing [illegible]. About twelve o'clock
the wind puddeled off and then nearly ceased
resorted to until 2 o'clock when the wind arose
but in our direction [illegible]. At 4 P.M. (3:30 P.M.)
[illegible] quite a breeze and we tacked
two hours and a half. Had a very [illegible]
[illegible] a difficult time of it and once or twice
it looked as if we should have to [illegible]
Kiatak [illegible] our small boat [illegible]. At
5 P.M. we turned a head of land and [illegible]
and did a little haven with a [illegible]
can be cleared. At 5:30 we are ashore and
all of us are thankful that things [illegible]
as well. [illegible] has attached
saddle and [illegible] the sail
[illegible] that we can return with [illegible]
Atanekjuak. [illegible]
[illegible] have [illegible] about 2 [illegible]

Before sailing, at 1:12 miles.
The weather is clear and warm.
Had a very [illegible] to tack.
Kiatak [illegible] other two [illegible]

had it not been for the Lake we could have made considerable more distance.

All the tassait country around our camp are some caved and over and at various levels below the lip of the crater of small size are known. Probably the [illegible] upon which we are situated. [illegible] has taken photographs.

Our camp is upon an old house site named Ithlunaruit.

Secured two human skulls from one grave. These graves are built of rocks in a hollow, covered by rocks. As many as four skulls were found in one grave. These graves are built [illegible] any animal [illegible]

Aug 23-1897 Monday Ikiluarsuit.

Arose at 5.30 and had breakfast at 6 A.M. The day is a beautiful one though a little cool. Wrote a couple of letters and [illegible]. The ice is against us. Sam advises to wait a little to see if the wind will freshen. We wait until 8 A.M. when we get ready to leave. Leave written word for Mr Leaving Ikiluarsuit we have the distinction of a long tongue of land against the last which we follow close and spares us which we could. We take it also in our favor and we proceed as well as can be expected. On going around the point we soon get the full benefit of the waves which tosses us some. Sam says it is [illegible] ahead and we track the boat and wade until 2.30 P.M. when we reach Alianait anchorage. At 3 Pirtle and I go ashore to examine the [illegible]

The Cretaceous formation [illegible] beds of more or less coarse sandstone with beds of dark shale and thin beds of coal. Yellow is the color of the sandstone. A [illegible] interbedded beds of [illegible] also occur. We saw [illegible] and one coal seam. The beds dip about [illegible] dip to the east and we pass a section of

about one mile long. The [illegible] is probably
upwards of 600 feet.

The Cretaceous rocks rise upward in the
cliff at least 600 feet where they are overlain by
basalt to a height upwards of 3000 feet. The
dip of the basalt appears to be the same as the
[illegible] From 600 feet up to 1200 there is a
talus slope of basalt and then the basalt rises
in a perpendicular cliff to the top. The
mountains [illegible] are mineralized. There have recently
been [illegible] or stakes set the same as
there are around the camp in a grand one. Snow
lies in all the hollows on the upper hills.
The cattle are quite constant near by. A little
to the [illegible] [illegible] appear
[illegible] through the valleys. On some places
small streams come [illegible] the [illegible]
[illegible] E. [illegible]
and are only [illegible] in
dark [illegible] the basalt [illegible].

We [illegible] in very cool [illegible] in the [illegible]
but in [illegible] camp on a small stream below some
old [illegible] on [illegible] ground, in [illegible]
[illegible] with here and there [illegible] of

the finish. Snow, blue hills, a mist and other sights to feast our eyes on.

Our little Interpreter "Chorem" says that we can reach Atane to morrow. Lebrija or Sam has instructions to awake us at any hour in the early morning.

Aug 24-97 Tuesday Alianait Greenland.

Arose this morning at 3 and had breakfast at 3.30. By 5 we were away for Atane 18 miles past. It froze hard during the night and a piece of the [illegible] was solid. [illegible] we walked in a camp. Fine open hilly ground and the sun quite warm. Under the circumstances we made good time with [illegible] from Cape of four volumes and [illegible] At 10.30 we arrive at Atane. Lie over [illegible] for hits account. [illegible] it was bright clear light and the top of the mountains of the [illegible] with the morning sun. By [illegible]

[illegible] to be seen [illegible] over the [illegible] of the mountains of [illegible]. The air rapidly became warmer but by [illegible] in it warm.

At 12.30 [illegible] and I started up the [illegible] [illegible] of camp [illegible]. No sedimentaries was visible until we reached an altitude of about 1440 feet where sandstone [illegible] with dark shales are [illegible] in [illegible] cliffs. Mr. [illegible] and I [illegible] a [illegible] and one or two invertebrates. Higher up at 1900 feet [illegible] a [illegible] which came [illegible] 2100 and 2200 feet. These upper beds [illegible] horizontal.

We then collected rocks [illegible] a short distance at an altitude of about 175 feet where we found [illegible] and [illegible]. We then crossed about one mile and a half [illegible] a shale [illegible] sea level at about 75 feet. [illegible] we found a [illegible] and a few plants. [illegible] some of [illegible] may [illegible] [illegible]. [illegible] a dark [illegible] shale.

[illegible] a few [illegible] plants.

Aug 25. 97 Wednesday Otane.

Arising this morning we find another storm with a small amount of rain in progress. It does not look or blow as much does the wind blow so hard as at Waikaremoana. Even barometer is also rising. Towards evening the weather again fair with the wind almost gone.

In the morning I again went west 1/2 mile past to the locality found last night. Collected all in morning & found little to increase the sum total of yesterday. Here red beds are low down sea level and also about 50 feet. Here there is a gentle slope followed by another rise of about 100 feet of cretaceous shale. On the latter are concretions or rather beds of impacted limestone resembling those of the cretaceous of North Canterbury. In one of these I found a Pecten like shell.

Mr White went past our camp in the morning to a local cemetery and up the ravine of the stream named Kingsinersmith. Here also red beds occur to about 100 feet above sea. These beds are here followed by two sandstones a mile apart and about 1000 feet above them is an outlier of gathered stones from a cretaceous shale. Above the latter sandstone and shale continue to about 500 feet. The entire series in this

region principally of the 2:00 part of the county
of dark carboniferous shales and grayish to buff
sandstones. The shales [illegible] in the cross section
while the sandstones are [illegible] in the upper part
of the section. [illegible] is [illegible] the
corporating
sandstone. [illegible] small [illegible] streams.

In the gorge of Deerinwash one sees the very
best evidence as to the cause of the shales being red. It
is in the [illegible] that the [illegible] must be [illegible]
[illegible] shales. There are no shales
present here and [illegible] relations [illegible]
[illegible] of the [illegible] for black. [illegible] the
cause of the red color is plainly [illegible]
[illegible] can see to do with their appearance. Where
the [illegible] are [illegible] the shales
are [illegible] or gray. [illegible] [illegible]
[illegible] shales are red with [illegible]
[illegible] are covered with [illegible]
[illegible] the stream [illegible]
[illegible]
[illegible]
[illegible] back. At various [illegible]
[illegible] but at the same [illegible]
[illegible]

The Otane country is on the top of a low rocky dome shaped hill on the western slope of land in the valley of the Tuscarawas. Here more than eleven graves were seen all built of earth from the adjacent trench. The bodies are laid down, feet up on account of the short nave of the grave upon the old surface. The earth are then piled around and covered over the body. Over the clay, placed a number of stones, [illegible] above earth. One grave has taken two skulls and a leg bone.

The recent flora is taking on the rich colors of autumn. The torch has a deep scarlet color, the crow berry a pink while the viburnum are yellow or yellow. All the small plants show some change in that life is disappearing while the tips of the leaves are turning either yellow or red. During the past week we have seen almost every [illegible] and [illegible] the blue gentian, two white flowered plants like the chickweed seem to flourish. The fully maturing of the blue bells showed [illegible] frost while the [illegible] flower became a [illegible]

On returning to camp at 4.30 we found the sea sufficiently calm to go ashore to get our things packed up and by 5.30 P.M. we moved our

about 2 pm with goat
from Alava. It was 7:30 pm we reached a rocky
bare clearing where the [illegible] in the North-
west and by [illegible] it was too dark to work
[illegible]

Our old camp was wet and [illegible] a new
made of dry wood [illegible] along above and by
[illegible] stones. It was more work
[illegible] but we were [illegible] when
we [illegible] our tent and [illegible] when
we [illegible] [illegible]

Beautiful [illegible] not super-
ocery material. Fresh and [illegible]
and open rain.

Aug 26-77 Thursday Rest of [illegible]

[illegible] high hill rock [illegible] up.
400 m White [illegible]
[illegible] returned to [illegible]. Met [illegible]
[illegible] to 2100 where we found [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Collecting in or four hrs and sence the loc. is evidently not the Patent of Hemenstitch we concluded to move further east. By 3.15 P.M. we are away for the red beds showing about 4 miles east.

The more prominent stone on "Cedar Red Bed Stone" ocean here at 1600 feet they have conifers and ferns.

We arrive at what we term Hemenstitch Patent at 4.40 P.M. The locality is quite different from the last in that the loose shales are red every color hill side. Collected a little but nothing of importance.

White and Sticking at 5 P.M. take a run down into the water and in a few seconds are out of sight. Both get little cold in doing so but keep up courage. The day was a perfect one and quite warm compared to the last few days.

See numerous deer tracks

DIE KOHLENFÜHRENDEN ABLAGERUNGEN

der

WESTKÜSTE von GRÖNLAND

zwischen 69°15′ und 72°30′ N.Br.

von

K.I.V. Steenstrup

1878 - 80.

Gneiss u. krystall. Schiefer
Tertiär
Kreide
Trap
Innlands Eis u. Gletscher
Ununtersuchtes Land.

An den unterstrichenen Stellen sind Versteinerungen gefunden worden.

Die Höhen sind in Fuss angegeben

Kangeks Halbinsel
Pröven
Ingnerits-Halb I.
Sd. Upernivik
Parnivik
Umiarfik
Svartenhuks-Halbinsel
Ubekanntes Eiland
Umanaks Fjord.
Upernivik Nord
Upernivik O.
Kangerdluarsuk
Agpat Ö
Itivdliarsuk
Storö
Karajaks Fjord
Noursoak-Halbinsel
Hasen Ins.
Waigat
Nordfjord
Mellemfjord
DISKO
Diskofjord
Godhavn
Jakobshavn
Torsukatak
Arveprindsens Eiland
Innlandsis
Kangusak
Sarfarsuit
Imiwit
Kekertarsuak
Ikerdluk
Niakornak
Kook angnertunek
Sowdlakat
Ekorsiat
Ujarartonnuak
Hibestensfeld
Kaersut
Pagtorfik
Soorfik
Kook
Asakak
Umiarfik
Nugsuak
Kugsinek
Kilertinguak
Umivik
Aumarutsiat
Niakornarsuk
Atanatsunguak
Kagsimiut
Tasersuak
Ata
Ugpatdluk
Asuk
Patsoc
Manik
Kingigtok
Marra
Kangusait
Jonarsuit
Kardlok
Kardlunguit
Ritenbenks-Kohlenbruch
Atanekerdluk
Kangusuk
Ivnarsuit
Naujat
Sarkak
Narsak
Igdlokunguak
Ujaragsugsuk
Isunguak
Ritenbenk
Mudderbugt
Akudiarusersuak
Flakkerhuk
Ykandsen
Kridlusat
Imaguit
Marrak
Kingfak
Puilasok
Lith. Anst. v. Fr. Vieweg & Sohn in Wiesbaden